

COASTAL IMPACT ASSISTANCE PROGRAM

Jefferson Parish Project Nominee Fact Sheet

Project Title: Bayou Dupont Natural Ridge Restoration

Entity/Individual nominating the project: Jefferson Parish, Louisiana

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Total CIAP Funds Requested: \$ 4,000,000

Parish CIAP Funds Proposed: \$ 0

State CIAP Funds Requested: \$ 4,000,000

Infrastructure Funds Proposed: N/A

Description and Location of the Project: The project is sited in Jefferson Parish, below Lafitte, LA, and southeast of the Pen, in the vicinity of the Dupre Cut area of the Barataria Bay Waterway.

The project would include approximately 25,000 LF of natural ridge restoration and stabilization; also, reforestation of approximately 30 acres of restored ridges. Existing banklines will be followed and breaches will be plugged to interconnect existing land masses, and would thus create a series of ridges. The ridge would be constructed along a portion of the north bank of Bayou Dupont that lies between its intersection with oil and gas canals in the Sea Deuce area, westward to its intersection with the southeast bank of Chenier Traverse Bayou.

Features would include earthen embankments to reinforce the existing bank lines and interconnect existing spoil deposits, as well as appurtenant canal opening plugs, cut closures, and stone rip-rap placements needed to stabilize the earthen embankments through open water areas. The restored ridge would be planted with woody tree species to provide for future stabilization.

Project Type: Conservation, restoration and protection of coastal area, including wetland

Project Justification: This project will restore one of the natural ridges that historically sustained the area's complex hydrology. Wetlands in the Myrtle Grove/Bayou Dupont area have been adversely impacted by erosion, subsidence and the past construction of oil and gas production canals. The proposed restoration of natural bank lines along portions of the north shore of Bayou Dupont will help to dampen the adverse effects of unchecked tidal exchanges. The re-established ridge will be stabilized by vegetative plantings of woody tree species along the restored bank lines. Restoration of the natural ridge will act as a retention feature that will effectively insure that sediments obtained from sources in the Mississippi River and/or future DNR dedicated dredging projects will be successfully distributed into the surrounding marshes.

The project is consistent with the following coastal restoration initiatives:

COAST 2050: TOWARD A SUSTAINABLE COASTAL LOUISIANA:

Coastwide Strategy:

Maintain or restore ridge functions
Dedicated dredging for wetland creation
Vegetative planting

Regional Strategy:

Restore and maintain marshes
Maintain critical land forms
Restore natural drainage patterns

COASTAL IMPACT ASSISTANCE PROGRAM (CIAP):

Protect Critical infrastructure

Project Cost Share: State = 0 %
 Parish = 0 %